

DECLARATION AND POWER OF ATTORNEY FOR ORIGINAL U.S. PATENT APPLICATION

Attorney's Docket No. NSC1P236/P05221

As a below-named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe that I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled: **BUMPED INTEGRATED CIRCUITS FOR OPTICAL APPLICATIONS**, the specification of which,

(check one)

1. is attached hereto.
2. was filed on May 21, 2002 as
U.S. Application No. 10/153,269
and was amended on March 6, 2003.
3. was filed on _____ as
International PCT Application No. _____
and was amended on _____.

I hereby state that I have reviewed and understand the contents of the above-identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to the patentability of this application in accordance with Title 37, CFR § 1.56.

Prior Foreign Application(s)

I hereby claim foreign priority benefits under Title 35, United States code, § 119(a)-(d) or § 365(b) of any foreign application(s) for patent or inventor's certificate, or § 365(a) of any PCT International application which designated at least one country other than the United States, listed below and have identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed:

			Priority Benefits Claimed?
(Application No.)	(Country)	(Filing Date)	Yes _____ No _____
_____	_____	_____	Yes _____ No _____

Provisional Application(s)

I hereby claim the benefit under 35 U.S.C. §119(e) of any United States provisional application(s) listed below:

(Application No.)	(Filing Date)
_____	_____

Prior U.S. Application(s)

I hereby claim the benefit under Title 35, United States Code, § 120 of any United States application(s), or § 365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of Title 35, United States Code, § 112, I acknowledge the duty to disclose information which is material to patentability as defined in Title 37, Code of Federal Regulations, § 1.56 which became available between the filing date of the prior application and the national or PCT international filing date of this application:

(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
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(Application No.)	(Filing Date)	(Status - patented, pending, abandoned)
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Power of Attorney

And I hereby appoint the law firm of **Beyer Weaver & Thomas, LLP** and all practitioners who are associated with the Customer Number 022434 as my principal attorneys to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith.

Direct Correspondence To:

Customer Number: 022434

22434

Direct Telephone Calls To:

Desmund Gean at telephone number (510) 843-6200

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under section 1001 of Title 18 of the United States Code, and that such willful false statements may jeopardize the validity of the application or any patent issuing thereon.

Typewritten Full Name of

Sole or First Inventor: Shahram Mostafazadeh

Citizenship: United States of America

Inventor's signature:



Date of Signature: 9/11/03

Residence: (City)

San Jose

(State/Country) CA/USA

Post Office Address:

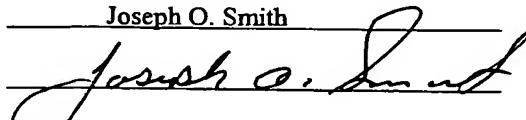
1110 Calcaterra Court, San Jose, California 95120

Typewritten Full Name of

Second Inventor: Joseph O. Smith

Citizenship: United States of America

Inventor's signature:



Date of Signature: 9-11-03

Residence: (City)

Morgan Hill

(State/Country) CA/USA

Post Office Address:

16915 John Telfer Drive, Morgan Hill, California 95037

ASSIGNMENT RECORDATION COVER SHEET
-PATENTS ONLY-

To: Honorable Commissioner of Patents and Trademarks:

Please record the attached original document(s) or copy thereof.

1. Name of conveying party(ies)

a) Shahram Mostafazadeh
b) Joseph O. Smith

2. Name and address of receiving party(ies):

a) Name: National Semiconductor Corporation
Address: 2900 Semiconductor Drive
Santa Clara, California 95052

3. Nature of conveyance

Assignment Merger
 Security Agreement Change of Name
 Other _____ License Agreement

Execution Date: May 10, 2002 [Mostafazadeh] and May 14, 2002 [Smith]

4. Application Number(s) or Patent Number(s): Not yet assigned

The title of the (new) application is: BUMPED INTEGRATED CIRCUITS FOR OPTICAL APPLICATIONS

5. Please send all correspondence concerning this (these) documents to:

Beyer Weaver & Thomas, LLP
P.O. Box 778
Berkeley, CA 94704-0778
Ph: (510) 843-6200
Fax: (510) 843-6203
(Customer Number: 022434)

6. Total number of applications and patents involved: 1

7. Total fee (37 CFR 3.41): \$40.00

Enclosed

Any additional fees are authorized to be charged to Deposit Account No. 500388
(Order No. _____)

8. To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Date: May 21, 2002


Phillip P. Lee
Registration No. 46,866

ASSIGNMENT OF PATENT APPLICATION
(Accompanying Application)

Whereas, I, the undersigned inventor, have invented certain new and useful improvements as set forth in the patent application, entitled:

BUMPED INTEGRATED CIRCUITS FOR OPTICAL APPLICATIONS

(Atty. Docket No.: NSC1P236/P05221) for which I have executed an application for a United States Letters Patent.

For good and valuable consideration, the receipt and sufficiency of which is hereby acknowledged, I, the undersigned inventor, hereby:

- 1) Sell(s), assign(s) and transfer(s) to National Semiconductor Corporation, a Delaware corporation having a place of business at 2900 Semiconductor Drive, Santa Clara, California (hereinafter referred to as "ASSIGNEE"), the entire right title and interest in any and all improvements and inventions disclosed in, application(s) based upon, and Patent(s) (including foreign patents) granted upon the information which is disclosed in the above referenced application.
- 2) Authorize and request the Commissioner of Patents to issue any and all Letters Patents resulting from said application or any division(s), continuation(s), substitutes(s) or reissue(s) thereof to the ASSIGNEE.
- 3) Agree to execute all papers and documents and, entirely at the ASSIGNEE's expense, perform any acts which are reasonably necessary in connection with the prosecution of said application, as well as any derivative and applications thereof, foreign applications based thereon, and/or the enforcement of patents resulting from such applications.
- 4) Agree that the terms, covenants and conditions of this assignment shall inure to the benefit of the Assignee, its successors, assigns and other legal representative, and shall be binding upon the inventor(s), as well as the inventor's heirs, legal representatives and assigns.
- 5) Warrant and represent that I have not entered, and will not enter into any assignment, contract, or understanding that conflicts with this assignment.

Signed on the date indicated beside my signature.

1. Inventor Signature: Shahram Mostafazadeh
Shahram Mostafazadeh

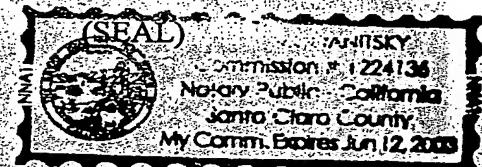
Date: 5/10/02

State of California)
County of Santa Clara) ss.

On this 10 day of May, in the year 2002, before me,
Liza Smolyanitsky personally appeared Shahram Mostafazadeh,
personally known to me (or proved to me on the basis of satisfactory evidence) to be the
person whose name is subscribed to the within instrument, and acknowledged to me that
he/she executed the same in his/her authorized capacity(ies), and that by his/her signature on
the instrument the person, or the entity upon behalf of which the person acted, executed the
instrument.

WITNESS my hand and official seal.

Notary Signature Liza Smolyanitsky



2. Inventor Signature: Joseph O. Smith
Joseph O. Smith

Date: 5-14-02

State of California)
County of Santa Clara) ss.

On this 14 day of May, in the year 2002, before me,
Liza Smolyanitsky personally appeared Joseph O. Smith, personally
known to me (or proved to me on the basis of satisfactory evidence) to be the person whose
name is subscribed to the within instrument, and acknowledged to me that he/she executed
the same in his/her authorized capacity(ies), and that by his/her signature on the instrument
the person, or the entity upon behalf of which the person acted, executed the instrument.

WITNESS my hand and official seal.

Notary Signature Liza Smolyanitsky

(SEAL)

